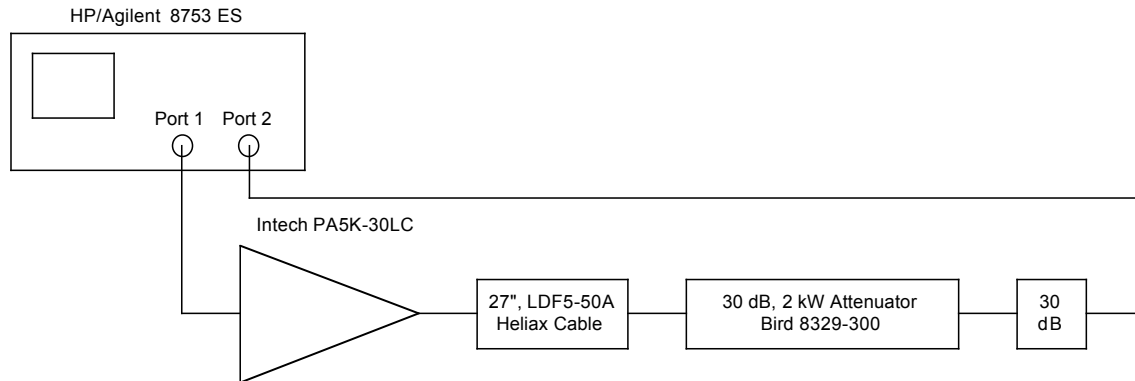


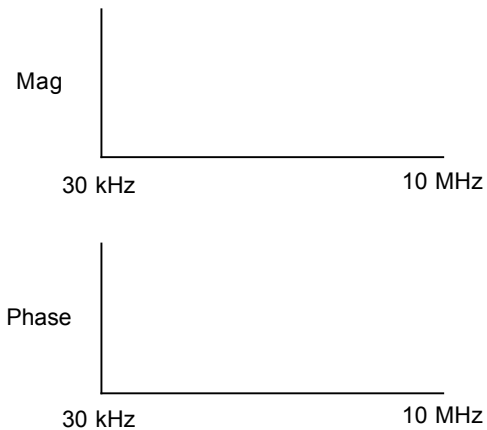
## 2.5 MHz and 5 MHz Intech PA5K-30LC Amplifier Test

Joe Dey March 29, 2005

### 1. Network Analyzer Sweep



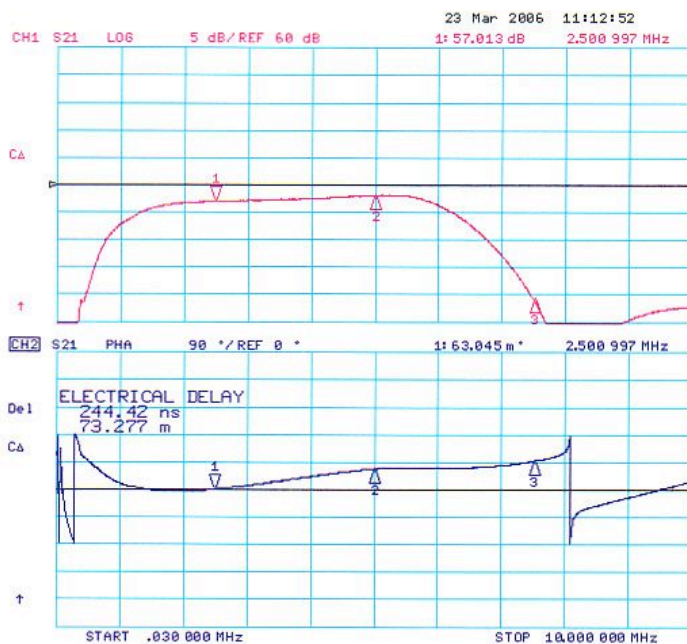
With Attenuators calibrated out, do a Magnitude and Phase Sweep for the drive level  $-20$  dBm from 30 kHz to 10 MHz for the Intech PA5K-30LC Amplifier and the 27" LDF5-50A Heliax Cable. The initial electrical delay will be found on the first amplifier and used for all proceeding measurements.



Put markers at 2.5, 5 and 7.5 MHz.  
Repeat test for all six Coalescing amplifiers.



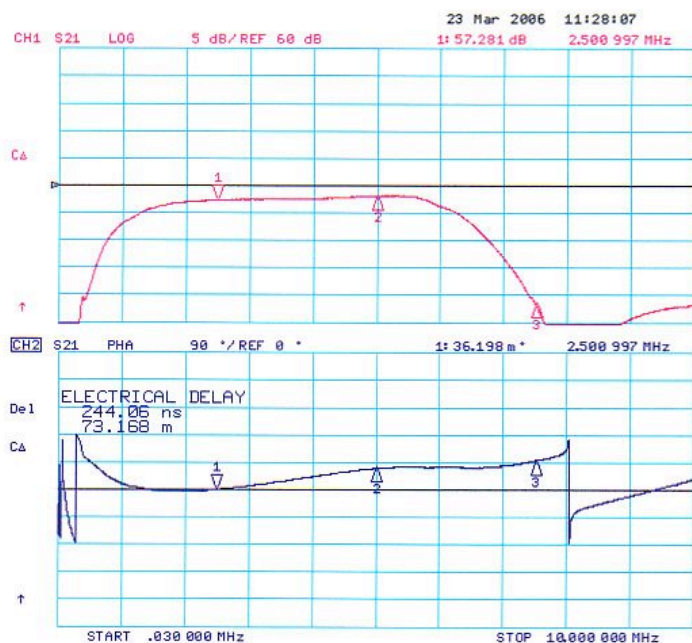
① Final  
Station #1  
Serial #50



CH1 Markers  
2: 58.011 dB  
5.00000 MHz  
3: 39.176 dB  
7.50000 MHz

CH2 Markers  
2: 67.577 °  
5.00000 MHz  
3: 94.732 °  
7.50000 MHz

② Final  
Station #2  
Serial #20



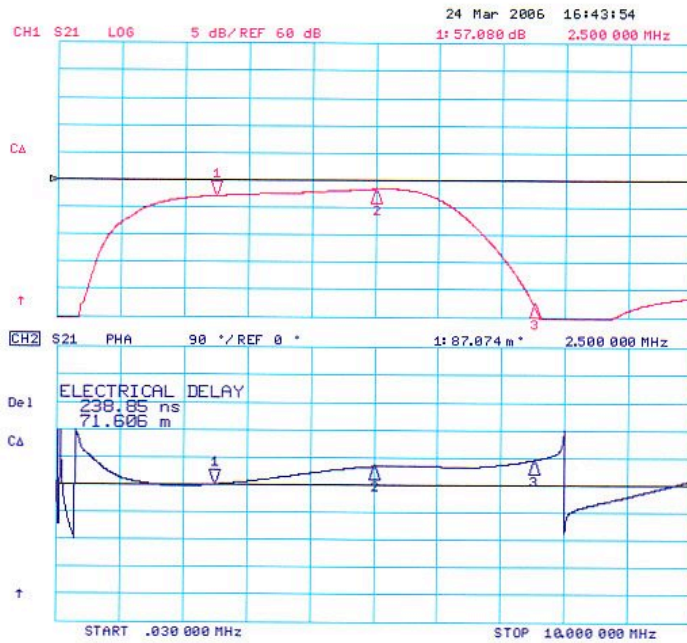
CH1 Markers  
2: 58.049 dB  
5.00000 MHz  
3: 38.393 dB  
7.50000 MHz

CH2 Markers  
2: 69.329 °  
5.00000 MHz  
3: 94.895 °  
7.50000 MHz



③ Final

Station #3  
Serial #40



CH1 Markers

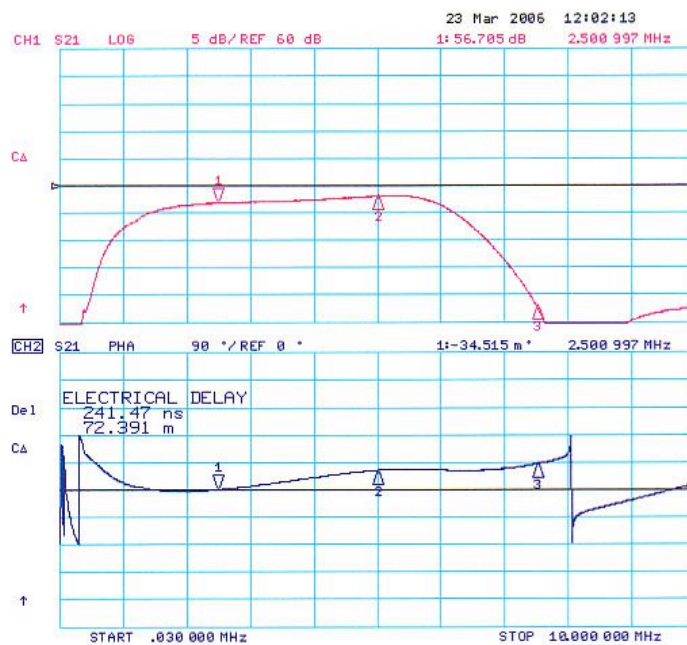
2: 58.357 dB  
5.00000 MHz  
3: 37.318 dB  
7.50000 MHz

CH2 Markers

2: 60.185 °  
5.00000 MHz  
3: 80.790 °  
7.50000 MHz

④ Final

Station #4  
Serial #70



CH1 Markers

2: 57.944 dB  
5.00000 MHz  
3: 37.974 dB  
7.50000 MHz

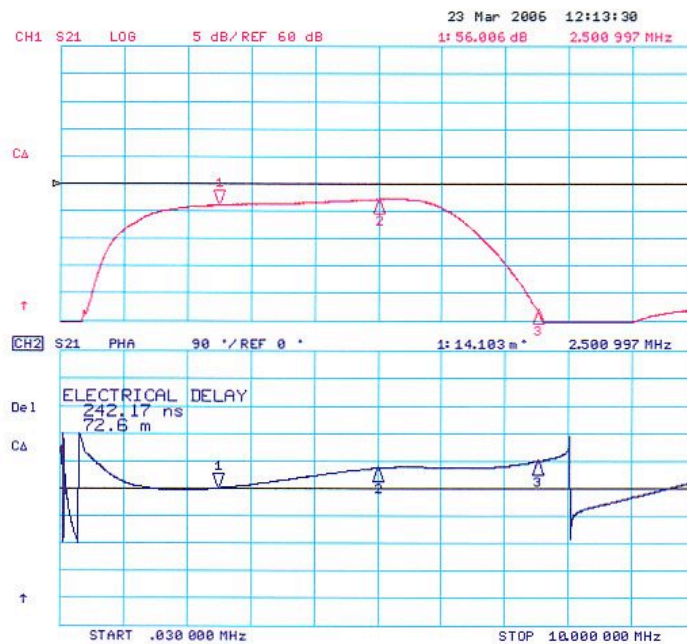
CH2 Markers

2: 63.418 °  
5.00000 MHz  
3: 83.762 °  
7.50000 MHz



⑤ Final

Station #5  
Serial #80

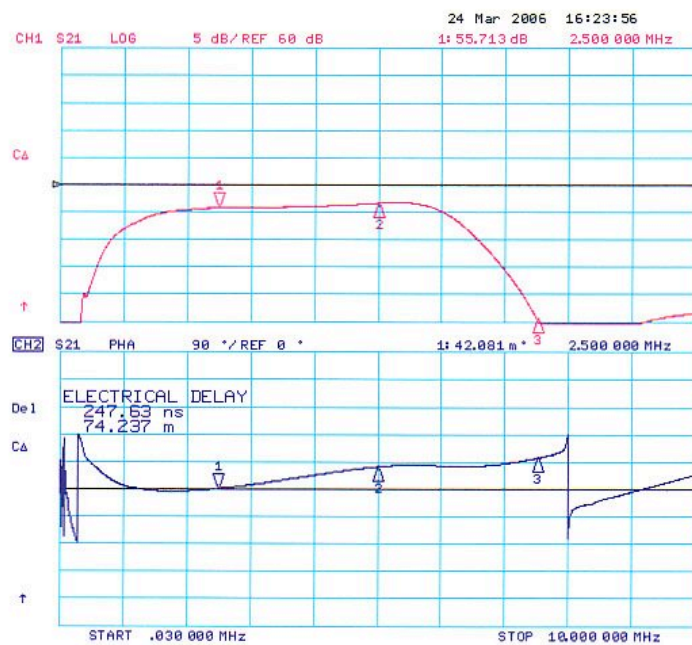


CH1 Markers  
2: 57.127 dB  
5.00000 MHz  
3: 37.009 dB  
7.50000 MHz

CH2 Markers  
2: 65.147 °  
5.00000 MHz  
3: 87.299 °  
7.50000 MHz

⑥ Final

Station #6  
Serial #30



CH1 Markers  
2: 56.622 dB  
5.00000 MHz  
3: 35.525 dB  
7.50000 MHz

CH2 Markers  
2: 73.558 °  
5.00000 MHz  
3: 101.13 °  
7.50000 MHz